

**CLAIMS:**

1. An image processing system for obtaining a plurality of image sequences and assembling a presentation from the plurality of image sequences, the system comprising:
- 5 (a) a camera for capturing the plurality of said image sequences;
- (b) a random-access electronic memory for temporary storage of the plurality of said image sequences;
- (c) an input reader for accepting pre-programmed
- 10 instructions from a first storage medium;
- (d) a control panel comprising:
- (i) a display for viewing said image sequences and presenting pre-programmed instructions to the operator; and
- 15 (ii) an operator interface for accepting operator responses to the pre-programmed instructions; and
- (e) a control logic processor for executing the pre-programmed instructions and for arranging playback of said presentation from the plurality of said captured image sequences stored in said random-access electronic
- 20 memory according to said operator responses;
2. An image processing system as in claim 1 further comprising:
- (f) an output writer for recording said presentation onto a
- 25 second storage medium.
3. An image processing system according to claim 1 further comprising:
- an output writer for recording said presentation onto said
- 30 first storage medium.

4. An image processing system according to claim 1 wherein  
said operator interface comprises a touch screen.
5. An image processing system according to claim 2 wherein  
5 said second storage medium is an optical medium.
6. An image processing system according to claim 2 wherein  
said second storage medium is a magnetic medium.
- 10 7. An image processing system according to claim 2 wherein  
said second storage medium is a solid state medium.
8. An image processing system according to claim 1 wherein  
said camera comprises a CCD sensor.
- 15 9. An image processing system according to claim 1 wherein  
said control panel is part of said camera.
10. An image processing system according to claim 1 wherein  
20 said operator interface comprises a touch screen.
11. An image processing system according to claim 1 further  
comprising an audio recording mechanism.
- 25 12. An image processing system according to claim 1 further  
comprising an audio playback mechanism.
13. An image processing system according to claim 1 wherein  
the pre-programmed instructions provide a plurality of presentation themes that  
30 can be selected using the operator interface, each presentation theme having  
associated pre-programmed instructions.

14. An image processing system according to claim 13 wherein the pre-programmed instructions for each of the plurality of presentation themes enable graphics corresponding to be selected theme to be selected using the operator interface.

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15. An image processing system according to claim 1 wherein the pre-programmed instructions enable text corresponding to be selected using the operator interface and enable the selected text to be included in at least one image sequence of the presentation.

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16. An image processing system according to claim 1 wherein the pre-programmed instructions include a background image sequence and instructions for compositing the background image sequence with a captured image sequence.

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17. An image processing system according to claim 16 wherein the background image sequence includes camera motion and wherein the pre-programmed instructions further include instructions to enable the control logic processor to simulate the camera motion of the background image sequence in at least one captured image sequence.

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18. An image processing system according to claim 17 wherein the camera motion includes zooming and panning.

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19. An image processing system according to claim 1 wherein the pre-programmed instructions further include an audio soundtrack.

20. An image processing system according to claim 19 wherein the control logic processor plays back the audio soundtrack while the camera captures at least one image sequence.

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21. An image processing system according to claim 20 wherein the pre-programmed instructions further include lyrics for a song provided in the audio soundtrack.

5 22. An image processing system for obtaining a plurality of image sequences and assembling a presentation from the plurality of image sequences, the system comprising:

(a) a camera for capturing the plurality of said image sequences;

10 (b) a random-access electronic memory for temporary storage of the plurality of said image sequences;

(c) an input reader for accepting pre-programmed instructions from a storage medium;

(d) a control panel comprising:

15 (i) a display for viewing said image sequences and presenting pre-programmed instructions to the operator; and

(ii) an operator interface for accepting operator responses to the pre-programmed instructions;

20 (e) a control logic processor for executing the pre-programmed instructions and for arranging playback of said presentation from the plurality of said captured image sequences stored in said random-access electronic memory according to said operator responses; and

25 (f) an output writer for recording said presentation onto said storage medium.

23. A portable digital video camera and audio player comprising:

a sensor for capturing images;

30 a digital memory for storing a motion video sequence;

a digital memory for storing an audio recording;

an audio reproduction mechanism for playing the audio recording; and

wherein a motion video sequence is captured and stored while the audio reproduction means plays back a stored audio recording.

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24. A portable digital video camera and audio player according to claim 23 further comprising a graphical user interface for selectively enabling the capability to record digital images while playing back an audio file.

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25. A portable digital video camera and audio player according to claim 23 further comprising a storage component for storing a background image.

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26. A portable digital video camera and audio player according to claim 23 further comprising a storage component for storing commands for image processing.

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27. A portable digital video camera and audio player according to claim 23 further comprising a storage component for storing previously recorded video segments.

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28. A portable digital video camera and audio player according to claim 27 wherein said storage component is read-only.

29. A portable digital video camera and audio player according to claim 27 wherein said storage component is read-write.

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30. An image processing system for obtaining a plurality of image sequences and assembling a presentation from the plurality of image sequences, the system comprising:

(a) a camera for capturing the plurality of said image sequences;

(b) a random-access electronic memory for temporary storage of the plurality of said image sequences;

(c) an input reader for accepting pre-programmed instructions from a storage medium;

5 (d) a control panel comprising:

(i) a display for viewing said image sequences and presenting pre-programmed instructions to the operator; and

10 (ii) an operator interface for accepting operator responses to the pre-programmed instructions.

31. An image processing system as in claim 30 further comprising:

15 (e) a control logic processor for executing the pre-programmed instructions and for arranging playback of the presentation from the plurality of said captured image sequences stored in said random-access electronic memory according to said operator responses.

20 32. An image processing system as in claim 31 further comprising:

(f) an output writer for recording said presentation.

33. A method for forming a presentation comprising a set of image sequences captured using an electronic camera, the method comprising:

25 (a) obtaining programmed instructions for capturing members of the set of image sequences;

(b) assembling an electronic storyboard, according to the programmed instructions, comprising a plan for the arrangement of said members of the set of image sequences;

30 (c) prompting the camera operator to obtain individual members of said set of said image sequences by displaying operator instructions to the camera operator;

(d) storing said set of said image sequences in a memory;  
(e) assembling the presentation using said set of said image sequences, according to said electronic storyboard; and  
(f) recording the presentation onto a storage medium.

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34. A method for forming a presentation according to claim 33 wherein the step of obtaining programmed instructions comprises the step of reading a magnetic medium.

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35. A method for forming a presentation according to claim 33 wherein the step of obtaining programmed instructions comprises the step of reading an optical medium.

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36. A method for forming a presentation according to claim 33 wherein the step of obtaining programmed instructions comprises the step of communicating over a network.

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37. A method for forming a presentation according to claim 33 wherein the step of assembling an electronic storyboard further comprises the step of obtaining operator responses to prompts.

38. A method for forming a presentation according to claim 33 further comprising the step of obtaining stored images for use in the presentation.

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39. A method for forming a presentation according to claim 33 wherein the step of assembling the presentation further comprises the steps of:

(a) loading into the memory at least one pre-stored image not obtained from the camera; and

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(b) using said at least one pre-stored image as part of the presentation.

40. An image processing system for obtaining a plurality of image sequences and assembling a presentation from the plurality of image sequences, the system comprising:

- 5 (a) a camera for capturing the plurality of said image sequences;
- (b) a random-access electronic memory for temporary storage of the plurality of said image sequences;
- (c) an input reader for accepting pre-programmed instructions from a first storage medium;
- 10 (d) a control panel comprising:
  - (i) a display for viewing said image sequences and presenting pre-programmed instructions to the operator; and
  - (ii) an operator interface for accepting operator responses to the pre-programmed instructions;
- 15 (e) a control logic processor for executing the pre-programmed instructions and for arranging playback of the presentation from the plurality of said captured image sequences stored in said random-access electronic memory according to said operator responses; and
- 20 (f) an output writer for recording the presentation onto a second storage medium.